

- B<sup>1</sup>
- (c) a polynucleotide comprising the cDNA of deposit NCIMB 41074; or
  - (d) a polynucleotide comprising a nucleotide sequence that has at least 95% identity to the polynucleotide of (a), (b), or (c), and which encodes a leukotriene receptor.
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4. (Twice Amended) A host cell transformed or transfected with the polynucleotide of claim 1, wherein said host cell expresses said polynucleotide under conditions sufficient for expression.

5. (Twice Amended) A process for producing a polypeptide encoded by the polynucleotide of claim 1 comprising culturing the transformed/transfected host cell of claim 4 under conditions sufficient for expression.

- B<sup>2</sup>
- 6. (Twice Amended) A membrane preparation of a cell transformed or transfected with
    - (a) a polynucleotide encoding a polypeptide comprising SEQ ID NO: 2 or SEQ ID NO: 6;
    - (b) a polynucleotide comprising a nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO: 5;
    - (c) a polynucleotide comprising the cDNA of deposit NCIMB 41074; or
    - (d) a polynucleotide comprising a nucleotide sequence that has at least 95% identity to the polynucleotide of (a), (b), or (c), and which encodes a leukotriene receptor.
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24. (Amended) An isolated and/or purified polynucleotide encoding a polypeptide comprising SEQ ID NO: 2 or SEQ ID NO: 6.

B<sup>3</sup>

25. (Amended) An isolated and/or purified polynucleotide comprising SEQ ID NO: 1 or SEQ ID NO: 5.

26. (Amended) An isolated and/or purified polynucleotide comprising the cDNA of deposit NCIMB 41074.

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B<sup>4</sup>

33. (Amended) A vector comprising the polynucleotide of any one of claims 24-26.

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